

TABLE OF CONTENTS

Section

Why source water protection 01

Strategies 02

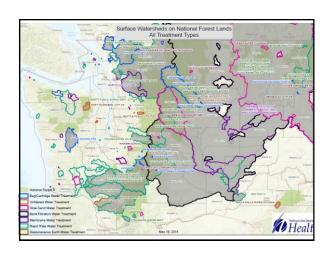
Getting help (1): Partners 03

Getting help (2): Financing 04

Communicating 05

Contact 06

01 Why Source Water Protection & Restoration





WAC 246 - 290: Drinking water supply systems using a surface water source must develop and implement a watershed control plan in order to protect the water supply and the health of the water system customers.

Source water protection is the first line of defense in a multi-barrier approach

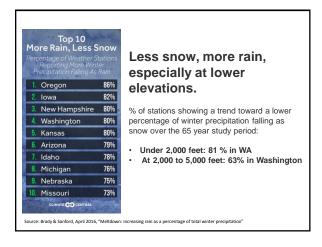
– that includes robust treatment, monitoring, and a secure delivery system – to ensuring safe drinking water for people.

### Risk prevention and mitigation

- Cost-effective way to reduce water treatment and storage costs.
- Important complement to more expensive, engineered options, aka "gray" infrastructure.
- First line of defense to protecting public health.
- Compliance with regulatory standards or to pre-empt regulation











02 Watershed Enhancement Strategies

## Strategies for watershed restoration and protection

- Regulations
- Land acquisition or easements
- Collaborative management and agreements with landowners
- Watershed planning and emergency response
- Best management practices (land use: ag, forestry, etc)
- Stream and upland restoration











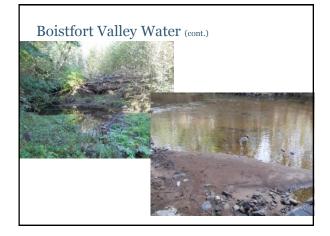


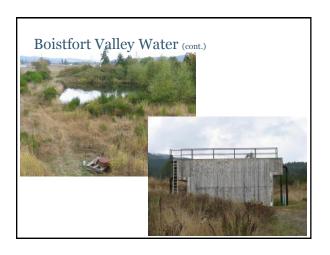
E.g. Fixing stream crossings, culverts, roads can address chronic erosion problems + mitigate risk for episodic erosion via fill/failure.

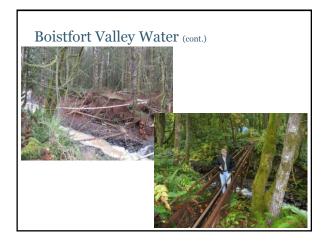
#### **Boistfort Valley Water**

- · BVW has invested over one million dollars in constructing presedimentation facilities.
- Wildwood WTP still periodically shut down due to high turbidity.
- · CAC/filter plant difficult to operate, if influent turbidity exceeds 30 NTU.









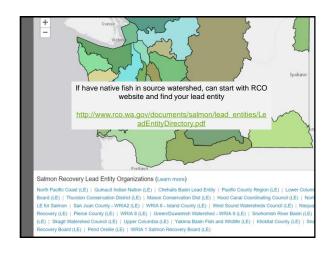
03 Getting help (part 1)
On-the-ground
partners

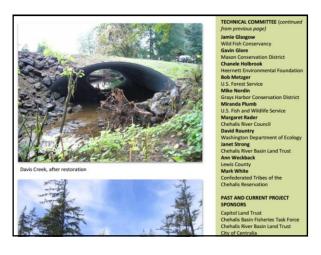
#### Who can help

- Soil & Water Conservation District
- Watershed council
- Salmon recovery organizations
- NGO/grassroot groups: e.g., watershed councils, land trusts, fish or wildlife conservation groups
- Agencies

# How they can help. Identify and prioritize restoration/conservation actions Coordinate design, implementation, permitting, reporting, monitoring Conduct community outreach and planning Raise money Manage subcontracts







04 Getting help (part 2)
Financing

#### **Sample Financing Mechanisms**

- · Utility rates
- Taxes
- · Bond funds
- · State Revolving Funds (grant and loan financing)
- Private foundations, PRIs
- Diversify revenue streams through asset management (i.e., if town/district owns forestland):
  - · Carbon credits
  - Timber
  - Water quality trading market
  - Leasing in-stream water rights

#### Grants

- USDA Rural Development
- WA Department of Ecology Water Quality
- WA State Recreation and Conservation Office
- WA Department of Fish and Wildlife
- NOAA Fisheries
- Private foundations



#### WA DOH

#### Source Water Protection Grants

• Up to \$30,000 per eligible study

#### Examples

- Boistfort
- Carbonado
- Skagit PUD



Pacific Northwest Drinking Water Providers Partnership

## Drinking Water Providers Partnership

- Restore and protect the health of watersheds which communities depend upon for drinking water while also benefiting aquatic and riparian ecosystems, including the native fish that inhabit them.
- Support local partnerships between downstream drinking water providers and upstream landowners and restoration practitioners.





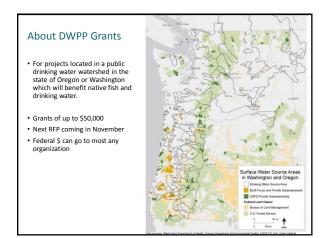












## Examples of eligible DWPP projects

o<sub>5</sub> Communicating the value to constituents

